

**SAK Series**  
**SAKG 40 II**

**Weidmüller Interface GmbH & Co. KG**  
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Fon: +49 5231 14-0  
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The Weidmüller SAKG range includes the following connection types:

- Combined clamping yoke/flat-blade connection, version I
- Flat spade connection, version II.

Here, two types of cable glands are intended:

- a) screw set with lock nut
- b) with threads on the busbar clamping yoke connection, version III.

The stripped conductor can be connected without any further preparation.

**General ordering data**

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| Type       | SAKG 40 II                                                                                                   |
| Order No.  | <a href="#">0170520000</a>                                                                                   |
| Version    | SAK Series, Feed-through terminal, Rated cross-section: 95 mm <sup>2</sup> , Screw connection, Medium Yellow |
| GTIN (EAN) | 4008190049911                                                                                                |
| Qty.       | 10 pc(s).                                                                                                    |

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**Technical data**
**Dimensions and weights**

|        |         |                          |       |
|--------|---------|--------------------------|-------|
| Length | 90 mm   | Width                    | 46 mm |
| Height | 53 mm   | Height of lowest version | 53 mm |
| Weight | 242.4 g | Net weight               | 236 g |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature            |        | Storage temperature              |        |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

**Additional technical data**

|                          |               |                             |         |
|--------------------------|---------------|-----------------------------|---------|
| Explosion-tested version | No            | Number of similar terminals | 1       |
| Open sides               | Open          | Type of mounting            | Snap-on |
| Version                  | Stud terminal |                             |         |

**CSA ratings data**

|                               |           |                               |          |
|-------------------------------|-----------|-------------------------------|----------|
| Certificate No. (CSA)         | 12400-119 | Voltage size C (CSA)          | 600 V    |
| Current size C (CSA)          | 250 A     | Wire cross section max. (CSA) | 0000 AWG |
| Wire cross section min. (CSA) | 00 AWG    |                               |          |

**Clampable wires (rated connection)**

|                                                                 |                    |                                         |                    |
|-----------------------------------------------------------------|--------------------|-----------------------------------------|--------------------|
| Type of connection                                              | Screw connection   | Connection direction                    | on side            |
| Number of connections                                           | 1                  | Clamping range, rated connection, min.  | 10 mm <sup>2</sup> |
| Clamping range, rated connection, max.                          | 95 mm <sup>2</sup> | Clamping screw                          | M 10               |
| Tightening torque, min.                                         | 10 Nm              | Tightening torque, max.                 | 20 Nm              |
| Wire connection cross section, solid core max. rated connection | 16 mm <sup>2</sup> | Wire connection cross section AWG, min. | AWG 20             |
| Wire connection cross section AWG, max.                         | AWG 4/0            |                                         |                    |

**Rated data**

|                                 |                    |               |               |
|---------------------------------|--------------------|---------------|---------------|
| Rated cross-section             | 95 mm <sup>2</sup> | Rated voltage | 1,000 V       |
| Rated impulse withstand voltage | 8 kV               | Rated current | 232 A         |
| Current at maximum wires        | 232 A              | Standards     | IEC 60947-7-1 |
| Pollution severity              | 3                  |               |               |

**UL ratings data**

|                                         |                |                                         |          |
|-----------------------------------------|----------------|-----------------------------------------|----------|
| Certificate No. (UR)                    | E60693VOL1SEC2 | Voltage size C (UR)                     | 600 V    |
| Current size C (UR)                     | 230 A          | Conductor size Factory wiring max. (UR) | 0000 AWG |
| Conductor size Factory wiring min. (UR) | 1 AWG          | Conductor size Field wiring max. (UR)   | 0000 AWG |

**Material data**

|                           |          |        |               |
|---------------------------|----------|--------|---------------|
| Material                  | KrG      | Colour | Medium Yellow |
| UL 94 flammability rating | V-0, 5VA |        |               |

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## Technical data

### System specifications

|                                   |            |                                  |                  |
|-----------------------------------|------------|----------------------------------|------------------|
| Product family                    | SAK Series | Type of connection               | Screw connection |
| Connection direction              | on side    | Number of levels                 | 1                |
| Number of connections             | 1          | No. of clamping points per level | 2                |
| Levels cross-connected internally | No         | Mounting rail                    | TS 32            |
| End cover plate required          | Yes        |                                  |                  |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC000897    | ETIM 3.0   | EC000897    |
| UNSPSC     | 30-21-18-11 | eClass 4.1 | 27-14-11-31 |
| eClass 5.1 | 27-14-11-31 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 |            |             |

### Product information

|                                 |                                                                                |
|---------------------------------|--------------------------------------------------------------------------------|
| Descriptive text technical data | Conductor connection with cable lugs according to DIN 46234, from 10 .. 95 mm² |
|---------------------------------|--------------------------------------------------------------------------------|

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|